

ABSTRACT OF THE DISCLOSURE

A method and an apparatus for managing bad blocks generated while a flash memory is being used. A method for managing a bad block in a flash memory includes (a) allocating a used area having a plurality of used blocks and a spare area having a plurality of spare blocks in the flash memory, and providing a block map page group including a plurality of block map pages in which mapping information to map a bad block generated in either of the used area or the spare block to a spare block, (b) having mapping information of the block map page reside among the block map page groups in the memory, and (c) mapping the bad block generated during a flash operation to an unused spare block found through the mapping information, updating the mapping information, and recording the updated mapping information on the block map page.